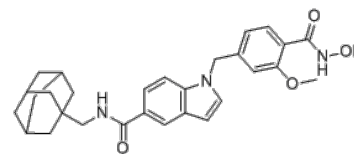


**Product Name** : HDAC11 inhibitor PB94  
**Cat. No.** : PC-21403  
**CAS No.** : 3032970-74-1  
**Molecular Formula** : C<sub>29</sub>H<sub>33</sub>N<sub>3</sub>O<sub>4</sub>  
**Molecular Weight** : 487.60  
**Target** : HDAC  
**Solubility** : 10 mM in DMSO



## Biological Activity

HDAC11 inhibitor PB94 is a potent, selective and brain-permeable **HDAC11** inhibitor with IC<sub>50</sub> of 108 nM, >40-fold over other HDAC isoforms.

PB94 (20 μM) significantly increases the fatty acylation level of SHMT2 in HEK293T cells.

PB94 exhibits good brain permeability, with brain/plasma ratios of 2.3 at 30 min and 2.2 at 4 h postinjection.

PB94 (3-10 mg/kg) attenuates neuropathic pain and the CCI-induced microgliosis in mice.

## References

Bai P, et al. *J Med Chem.* 2023 Nov 16. doi: 10.1021/acs.jmedchem.3c01491.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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